

## SB-0714

## Second Year B. Sc. Examination

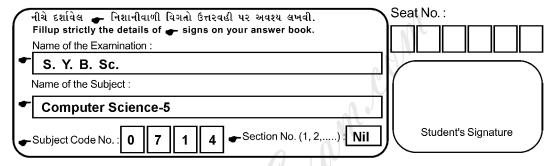
March/April - 2011

Computer Science: Paper - V (RDBMS)

Time: Hours] [Total Marks: 70

## **Instructions:**

(1)



- (2) All questions carry equal marks.
- (3) Question 1 is compulsory.
- (4) Figures in the right side indicate full marks.
- 1 Answer in brief:

14

14

- (1) What do you mean by data redundancy?
- (2) Define DCL with example.
- (3) State difference between primary key and candidate key.
- (4) What is the meaning of normalization?
- (5) Define concurrent access.
- (6) Differentiate between CHAR and VARCHAR data types.
- (7) What is Data Security?
- 2 (a) What is role of database administrator in a database 14 system? Explain in detail.
  - (b) Draw E-R diagram for supplier-part-project relationship supplier (Sno, Sname, Status, city) part (Pro, Pname, color, weight) Project (Jno, Jnane, City) Supp-Part-Project (Sno, Pno, Jno, Qty).

OR.

- **2** (a) Write a note on authorization and views.
  - (b) Describe system errors and hardware failure concepts.

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3	(a)	What is normalization? Why it is necessary? Explain it.	14
	(b)	Discuss different normal forms.	
		OR	
3	(a)	Differentiate between restrict and project relation operators.	14
	(b)	Define degree, cordinality and attributes in terms of relation with example.	
4	(a)	Explain any 7 oracle function (SQL).	14
	(b)	State importance of view with example.	
		OR	
4	(a)	Write a note on cursor.	14
	(b)	What is Database Trigger? Why we use Trigger?	
5	Atte	empt any two:	14
	(a)	Write a P4SQL block code to print multiplication table of the given integer number.	
	(b)	Create a function check-dno that check given dept-no is exists in dept-mast table (deptno, name) or not also write program code to input deptno and display proper message by using above function.	
	(c)	Write and delete trigger audit-dept on dept-mast table. The system should keep track of records that are being deleted. The old values of deleted record should be added in audit-trial table (deptno, dname, operation type, userid, operation_date).	

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